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APPLICATION

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EDP SCANNING MICROSCOPE

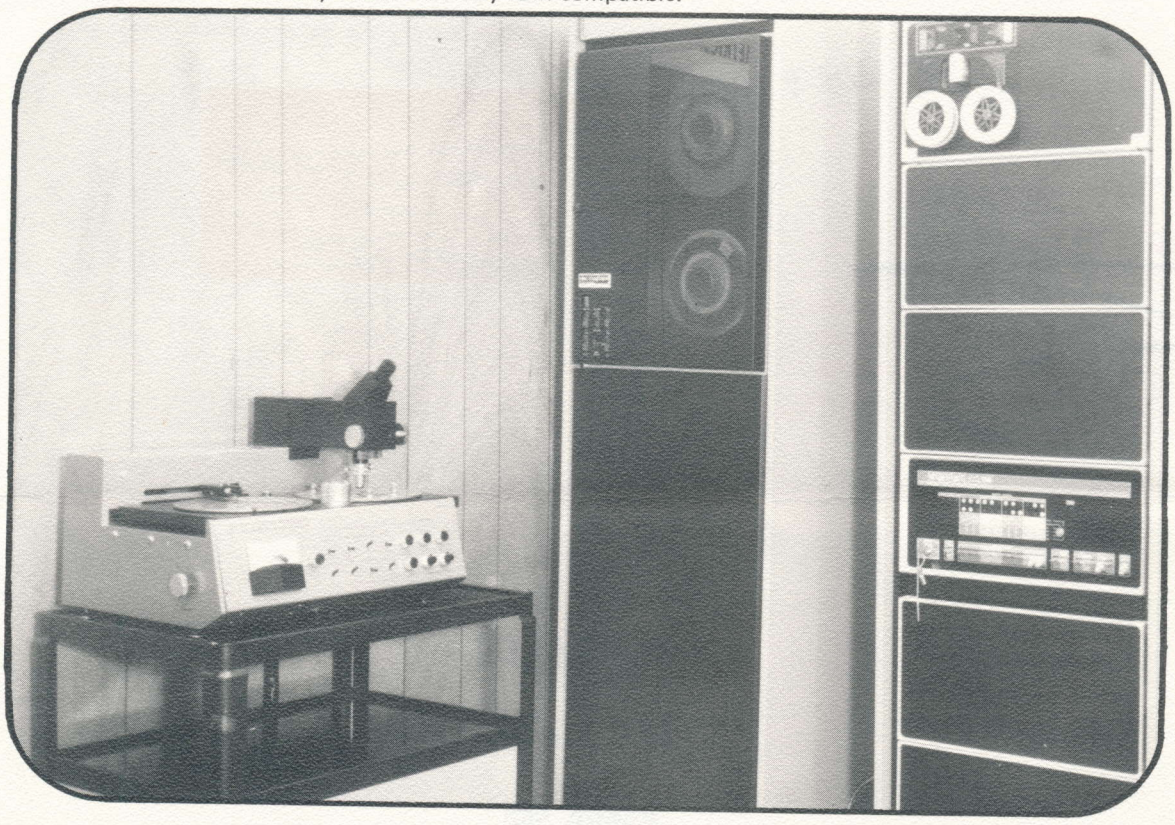
Application: Input and output of image data to and from a digital computer system.

Magnification: An equidensity contour plot, at magnifications up to 1000X, produced during the scan, serves as a display of the image information which has been stored in the computer system.

Scanning Aperture: 1 μm to 800 μm, depending upon the density of the image.

The EDP Scanning Microscope, interfaced to a high speed digital computer, records and processes 1½ million data points in ten minutes. When the reserve switch is pushed, the complete processed image is transferred from the magnetic tape to the output stage of the EDP Scanning Microscope. This transfer requires only ten minutes, and the image is recorded on electro-sensitive facsimile paper with a dynamic range up to 1.3 in reflection density. This system provides an immediate, stable, hard copy output which compares favorably with photographic materials.

Below is a photograph of one of the "turnkey" operational systems which has already been delivered. All of the digital imagery input or output processing systems designed and delivered by PhotoMetrics use 8-bit photometric accuracy and are directly IBM compatible.



The EDP Scanning Microscope is a versatile, cost-effective system for high speed transmission or reflection scanning of glass plates, films, and microscope slides. It provides a choice of outputs: — positive or negative continuous-tone enlargements with or without equal-density contours superimposed, and digitized data for computer input.

Complete system starts at $11,900. Call for full details — 617-862-8050.

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